

SMARTPLY® FR OSB3 Euroclass

SMARTPLY FR FLAME RETARDANT OSB3 is a structural, moisture resistant OSB3 panel with reliable reaction to fire properties. Ideal for use where strength, moisture resistance and Euroclass C or Euroclass B* flame retardance are paramount, the OSB3 panel complies with the European reaction to fire class C-s2,d0; and B_{FL}-s1.

SMARTPLY FR OSB3 offers the same quality and structural strength as all OSB3 manufactured by SMARTPLY in accordance with the requirements of European Standards EN 300 and EN 13986.

FEATURES AND BENEFITS

- No structural degradation in panel – unlike many post treated alternatives
- 100% wood based product – easy to cut and fix using normal OSB3 methods
- Does not crack or shatter
- More lightweight than mineral based alternatives
- Zero added formaldehyde – contributing to healthier environments
- CPR Compliant – CE marked at the source of manufacture
- High racking strength – suitable for structural use
- Made from FSC® certified timber from our own forests
- Zeroignition® water based fire retardant – completely safe with no borons or other carcinogens.

PRODUCT DESCRIPTION

Added during panel production, Zeroignition® Solution – a water-based and eco-friendly fire retardant penetrates the wood strands to ensure comprehensive and reliable fire performance whilst fully maintaining structural integrity.

SMARTPLY FR FLAME RETARDANT OSB3 is suitable for a wide variety of applications where a predictable reaction to fire class is the highest priority as required by Building Regulations or health & safety legislation.

APPLICATIONS

A truly innovative wood-based panel, it is independently certified for the most demanding structural applications in permanent constructions (wall sheathing, flooring and roofing), as well as general free standing applications where enhanced reaction to fire performance is required (e.g. furniture, shop fitting, general joinery, exhibition stands, hoarding, film sets, stage construction).

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FR OSB3 Euroclass Dimensions and Thickness (mm)

Thickness (mm)	Length	Edge Detail	Performance Rating	
			Euroclass C Wall, Ceiling, Roofing	Euroclass B Flooring
15	2397 x 1197	Square edge	C-s2, d0	B _{FL} - s1
15	2440 x 1220	Square edge	C-s2, d0	B _{FL} - s1
15	2397 x 1220	Tongue & Groove T&G2	C-s2, d0	B _{FL} - s1
18	2397 x 1197	Square edge	C-s2, d0	B _{FL} - s1
18	2440 x 1220	Square edge	C-s2, d0	B _{FL} - s1
18	2397 x 1200	Tongue & Groove T&G2	C-s2, d0	B _{FL} - s1

Other sizes and thicknesses available upon request. Please refer to SMARTPLY FR/FR BUILD OSB3 technical datasheet for additional product availability, which is specifically designed and accredited for STA timber frame applications.

TESTING AND CLASSIFICATION OF REACTION TO FIRE

SMARTPLY FR OSB3 has been tested to:

- EN 13823 (SBI test)
- EN ISO 11925-2 (Ignitability test)
- EN ISO 9239-1 (Radiant test – for flooring) and classified in accordance with EN 13501-1:2007 and A1:2009

The product relates to the following fire classes and fields of application:

- Euroclass C-s2,d0 (wall, ceiling, roofing and free standing applications)
- Euroclass B_{FL}-s1 (flooring applications)

The thresholds to achieve Euroclass B are higher than those for Euroclass C and therefore if material achieves a Euroclass B classification then it also conforms to Euroclass C for the same field of application. SMARTPLY FR OSB3 therefore also satisfies the requirements of Euroclass C_{FL}-s1 (flooring applications).

COMPLIANCE WITH THE CONSTRUCTION PRODUCTS REGULATION

EN 300 classifies OSB panels by their properties which relate to their intended use. SMARTPLY FR OSB3 is a structural OSB3 panel that is manufactured in accordance with EN 300. The product is CE marked at the source of manufacture in accordance with the harmonised standard EN 13986 to demonstrate suitability for structural use in permanent constructions, and is therefore fully compliant with the Construction Products Regulation (CPR) and EU law.

QUALITY ASSURANCE – IMPORTANT NOTE TO SPECIFIERS

SMARTPLY EUROPE DAC and Zeroignition International are both members of the Wood Protection Association (WPA). We have ISO 9001 certification for our manufacturing process and product compliance is certified by independent audits under the WPA Benchmark quality assurance scheme for fire retardant treated wood. For products complying with European standards harmonised under the Construction Products Regulation (CPR) we use an independent Notified Body (Exova Warringtonfire). Copies of Declaration of Performance (DoP), Fire classification reports and Certificates of constancy of performance including the CE mark are available on request.

CONTACT US

For further information and/or technical advice please contact your local SMARTPLY Sales Representative or SMARTPLY Technical Support Personnel through any of our European offices.

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As we continually update our technical datasheets, please check on www.mdfosb.com that you have the latest version.

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